COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to International Applications)

ATTORNEY'S DOCKET NUMBER 201009/131 (99-0606)

As a below named inventor, I hereby declare that:

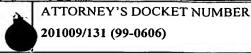
My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: A BROADBAND MODULATION/DEMODULATION APPARATUS AND A METHOD THEREOF the specification of which (check only one item below): [X] is attached hereto. was filed as U.S. Patent Application Serial No. on and was amended on [](if applicable). was filed as PCT International Application Number on and was amended under PCT Article 19 [] on _____ (if applicable). I hereby state that I have reviewed and understand the contents of the above-identified specifications, including the claims, as amended by any amendment referred to above. Lacknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a). Hihereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's Exertificate or of any PCT international application(s) designating at least one country other than the United States listed below and have wilso identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed: PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119: COUNTRY DATE OF FILING PRIORITY CLAIMED (IF PCT, indicate "PCT") **APPLICATION** (day, month, year) **UNDER 35 USC 119 NUMBER** []YES[]NO []YES[]NO []YES[]NO []YES[]NO []YES[]NO [] YES [] NO []YES[]NO []YES[]NO

Page 1 of 2

COMBINED DECLARATION FOR PATENT APPLICATION AND POTENT OF ATTORNEY (Continued) (Includes Reference to the Time International Applications)

U.S. APPLICATIONS



STATUS (Check One)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT International filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

	U.S.	APPLICATIONS		12.4.4.214.14.14	517	1102 (C	neck One)	
U.S. APPLICATION NUMBER			U.	S. FILING DATE	PATE	NTED	PENDING	ABANDONED
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depplication and transact all business in the Patent and Trade No. 29,835; Michael L. Goldman, Registration No. 30,72 Registration No. 34,097; Ann R. Pokalsky, Registration Merkel, Registration No. 40,087; Georgia Evans, Registration Correspondence to: Thomas J. Monahan The Pennsylvania Statistics of the Pen				No. 34,697; Gunnar G. Leinberg, Restation No. 44,597; Alice Y. Choi, Restate University ter evard			legistration No. 35,584; Edwin V.	
esta —	University Park, Pennsylvania 16802-7000 FILL NAME FAMILY NAME FIRST GIVEN NAM					Ler	COND GIVEN	NAME
2 0 1	FULL NAME OF INVENTOR	Young	4	Randy	E.	K.	COND GIVEN	NAIVIE
	RESIDENCE & CITIZENSHIP	CITY Port Matialda		STATE/FOREIGN COUNTRY Pennsylvania			COUNTRY OF CITIZENSHIP U.S.A.	
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	FULL NAME OF INVENTOR	FAMILY NAME		FIRST GIVEN NAME		SE	SECOND GIVEN NAME	
2 0 2	RESIDENCE & CITIZENSHIP	CITY		STATE/FOREIGN COUNTRY		7 CC	COUNTRY OF CITIZENSHIP	
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2 0 3	FULL NAME OF INVENTOR	FAMILY NAME		FIRST GIVEN NAME			SECOND GIVEN NAME	
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203		
UNSIGNED				
DATE	DATE	DATE		